

ABSTRACT OF THE DISCLOSURE

An apparatus includes a first signal receiving module, a second signal receiving module, and a signal transmitting module. The first signal receiving module is coupled between a first signal point and a third signal point for receiving a first RF signal from the first signal point. The first signal receiving module down-converts the first RF signal for providing a first down-converted signal at the third signal point. The second signal receiving module is coupled between a second signal point and the third signal point for receiving a second RF signal. The second signal receiving module down-converts said second RF signal for providing a second down-converted signal at the third signal point. The signal transmitting module is coupled between the first and second signal points and the third signal point for receiving a third RF signal from the third signal point. The signal transmitting module up-converts the third RF signal for selectively providing an up-converted signal at one of the first and second signal points in response to a selection signal.

10029645-122101